

## OUR PHILOSOPHY

### CREATING FUTURE TECH LEADERS

With cutting edge courses to make your child future ready.



Today, children are growing up as first citizens of the digital world. We want to help parents ensure that their child's relation to technology is not just that of a passive tech consumer. We are not happy with them just being a tech creator either – We want the children to be **Future Tech Leaders!**

Leaders are about Excellence and Independence. Hence, we obsess about building **Independent Coding Confidence** in every single child. That means their learning is not dependent on the teacher, only facilitated by it.

Every project they do – they are measured not just on the output but on their confidence & ability to make it entirely on their own. As ambitious as it sounds, without it we feel we haven't done our job. There is no point copying code or making impressive projects with 90% contribution by the teacher and passing it off as student's project.

Apart from having computer science alums from IIT & CMU as curriculum heads, PurpleTutor is the only platform that:

- Mandates every teacher to have a formal Computer Science degree.
- Has inhouse teacher training, PurpleTutor Academy, where teachers are trained to let the students Lead the curriculum journey as per their creative ideas, ability and interest.
- Ensures each child develops Independent Coding Confidence, and go from being a Coder -> PurpleCoder!



**Carnegie  
Mellon  
University**



**amazon**

## Course Summary

PurpleTutor is excited to launch a course on one of the world's biggest gaming platforms for children! Roblox is used by over 150 million children worldwide.

In this course, the students will start with creating interactive 2D games and animations using JavaScript. Then, they will use the Roblox platform to create 3D games, and learn about fundamentals of VFX & graphic design.

## MODULE 1

SESSION 1 -20



## MODULE 2

SESSION 40-60

### What Will Your Child Learn?

Drawing commands of JavaScript, X and Y coordinate system, Use of sprites, manipulate their properties and methods to create animations. Recap of programming concepts such as sequencing, iteration, conditionals, functions, variables, events and debugging while creating games and animations.

### What Will Your Child Do?

Create 2D shapes, superimpose 2D shapes to create complex objects, create static scenes, simple animations and interactive games.

### Benefits

-  Detailed assessment report
-  Two 2D animation projects
-  Two 2D game projects

### What Will Your Child Learn?

X, Y and Z coordinate system. Basic LUA script commands, drawing 3d objects and manipulating their properties to create scenes and animations on Roblox platform. Recap of programming concepts such as sequencing, iteration, conditionals, functions, variables, events and debugging while creating games and animations.

### What Will Your Child Do?

Write code to create complex geometric patterns, animations & games using sprites. Write code to design & create your first mobile app.

### Benefits

-  Detailed assessment report
-  Two 3D animation projects
-  Two 3D game projects

## STUDENT PROJECTS

PurpleTutor's project based learning boosts students' creative thinking, logical thinking and problem solving skills.

ROBLOX

### 3D Maze Game



#### Concepts

Creative Imagination, Stepwise Thinking, Problem Solving

ROBLOX

### Lava Land



#### Concepts

Creativity, Logic, Lua Programming Language

ROBLOX

### Dance Animation



#### Concepts

Creativity, Visualization, Generalization

## PARENT TESTIMONIALS



Click on the image to watch video

I'd like to thank PurpleTutor for having onboard Miss Varsha. I appreciate the efforts she's giving and the attention she's giving for my daughter. Miss Varsha, thank you a lot!

**Fady Sayah, Mia's father, Lebanon**



Click on the image to watch video

Among the three extra curricular classes Aman has signed up for, PurpleTutor is the one he enjoys the most. He seems to be doing the coding projects on his own all the time, while I constantly need to chase him for the other two!

**Ashutosh Wakankar, Aman's father, USA**



Click on the image to watch video

Ahana keeps telling me that she gets so much space for creativity with PurpleTutor. She is really excited about her classes, and I love how PurpleTutor is so service oriented and friendly!

**Vipula Gandhi, Ahana's mother, USA**